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<b>REISSUE APPLICATION DECLARATION BY THE ASSIGNEE</b>		Docket Number (optional) <b>MTS-880US1</b>
<p>I hereby declare that:</p> <p>My residence and post office address and citizenship are stated below next to my name.</p> <p>I am authorized to act on behalf of the following assignee: <u>Matsushita Electric Industrial Co., Ltd.</u></p> <p>and the title of my position with said assignee is: <u>Director</u></p> <p>The entire title to the patent identified below is vested in said assignee.</p>		
Name of Patentee(s): <b>Thiow Keng Tan</b>		
Patent Number <b>5,825,421</b>	Date of Patent Issued <b>October 20, 1998</b>	
Title of Invention <b>VIDEO CODING METHOD AND DECODING METHOD AND DEVICES THEREOF</b>		
<p>I believe said patentee(s) to be the original, first and sole/joint inventor(s) of the subject matter which is described and claimed in said patent, for which a reissue patent is sought on the invention entitled <u>VIDEO CODING METHOD AND DECODING METHOD AND DEVICES THEREOF</u></p> <p>the specification of which</p> <p><input checked="" type="checkbox"/> is attached hereto.</p> <p><input type="checkbox"/> was filed on _____ as reissue application number _____ and was amended on _____ (If applicable)</p> <p>I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.</p> <p>I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.</p> <p>I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)</p> <p><input type="checkbox"/> by reason of a defective specification or drawing.</p> <p><input checked="" type="checkbox"/> by reason of the patentee claiming more or less than he had the right to claim in the patent.</p> <p><input type="checkbox"/> by reason of other errors.</p> <p>At least one error upon which reissue is based is described as follows:</p> <p>During the prosecution of the application that issued as the above patent, the inventors did not recognize that the features disclosed in new claims 13-16 were appropriate to claim. As such, the inventors did not claim all that they had a right to claim. This error was made without deceptive intent.</p> <p style="text-align: center;">[Attach additional sheets, if needed.]</p> <p>All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.</p>		

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## (REISSUE APPLICATION DECLARATION BY THE ASSIGNEE, page 2)

Docket Number (Optional)

MTS-880US1

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Name(s)	Registration Number
Allan Ratner	19,717
Jack J. Jankovitz	42,690

Correspondence Address: Direct all communications about the application to:

☐ Customer Number

Type Customer Number Here

Place Customer  
Number Bar Code  
Label Here

OR

Firm or  
Individual  
Name

Allan Ratner; Ratner &amp; Prestia

Address

P.O. Box 980

Address

City

Valley Forge

State

PA

Zip

19482

Country

Telephone

(610) 407-0700

Fax

(610) 407-0701

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1 001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of person signing (given name, family name)

Dr. Osamu Yamazak, Director

Signature

Date

Address of Assignee 1006, Oaza Kadoma, Kadoma-shi  
Osaka, 571 Japan

Patentee

Thiow Keng Tan

Citizenship

Malaysia

Residence/Post Office Address Block 553, Choa Chu Kang North 6, 11-08

Singapore 2368

Patentee

Citizenship

Residence/Post Office Address

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Please type a plus sign (+) inside this box → ☐

PTO/SB/02C (3-97)

Approved for use through 9/30/98. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION

## REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

Name	Registration Number	Name	Registration Number
Kevin R. Casey	32,117		
Benjamin E. Leace	33,412		
James C. Simmons	24,842		
Lawrence E. Ashery	34,515		
Christopher R. Lewis	36,201		
Robert L. Andersen	25,771		
Daniel N. Calder	27,424		
Louis W. Beardell, Jr.	40,506		
Jacques L. Etkowicz	41,738		
Jonathan H. Spadt	45,122		
Mark J. Marcelli	38,040		
Joshua L. Cohen	42,690		
Jack J. Jankovitz	34,608		
Kevin W. Goldstein	42,621		
Christopher I. Halliday	26,277		
Paul D. Golian	33,602		
William P. Hauser	41,712		
Bruce M. Monroe	28,028		
Rex A. Donnelly, IV	42,866		
Costas Krikelis			

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**REISSUE APPLICATION DECLARATION BY THE INVENTOR**

Docket Number (Optional)

MTS-880US1

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed

in patent number 5,825,421, granted October 20, 1998, and for which areissue patent is sought on the invention entitled VIDEO CODING METHOD AND DECODING METHOD ANDDEVICES THEREOF

the specification of which

☒ is attached hereto.☐ was filed on \_\_\_\_\_ as reissue application number \_\_\_\_ / \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

- ☐ by reason of a defective specification or drawing.
- ☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.
- ☐ by reason of other errors.

At least one error upon which reissue is based is described as follows:

During the prosecution of the application that issued as the above patent, the inventors did not recognize that the features disclosed in new claims 13-16 were appropriate to claim. As such, the inventors did not claim all that they had a right to claim. This error was made without deceptive intent.

[Page 1 of 2]

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)		Docket Number (Optional) <b>MTS-880US1</b>	
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.			
Name(s)		Registration Number	
<u>Allan Ratner</u>		<u>19,717</u>	
<u>Jack J. Jankovitz</u>		<u>42,690</u>	
Correspondence Address: Direct all communications about the application to:			
<input type="checkbox"/> Customer Number <span style="border: 1px solid black; display: inline-block; width: 150px; height: 20px; vertical-align: middle;"></span>		Place Customer Number Bar Code Label here	
OR Type Customer Number here			
<input checked="" type="checkbox"/> Firm or Individual Name	Ratner & Prestia		
Address	P.O. Box 980		
Address			
City	Valley Forge	State	PA
Country			
Telephone	(610) 407-0700	Fax	(610) 407-0701
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.			
Full name of sole or first inventor (given name, family name)			
Thiow Keng Tan			
Inventor's signature			
Residence	Singapore	Date	
Post Office Address	Block 553, Choa Chu Kang North 6, #11-08		
Singapore 2368	Citizenship	Malaysia	
Full name of second joint inventor (given name, family name)			
Inventor's signature		Date	
Residence		Citizenship	
Post Office Address			
Full name of third joint inventor (given name, family name)			
Inventor's signature		Date	
Residence		Citizenship	
Post Office Address			
<input type="checkbox"/> Additional joint inventors are named on separately numbered sheets attached hereto.			

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Please type a plus sign (+) inside this box → ☐

PTO/SB/02C (3-97)

Approved for use through 9/30/98. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## DECLARATION

## REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

Name	Registration Number	Name	Registration Number
Paul F. Prestia	23,031		
Andrew L. Ney	20,300		
Kevin R. Casey	32,117		
Benjamin E. Leace	33,412		
James C. Simmons	24,842		
Lawrence E. Ashery	34,515		
Christopher R. Lewis	36,201		
Robert L. Andersen	25,771		
Daniel N. Calder	27,424		
Louis W. Beardell, Jr.	40,506		
Jacques L. Etkowicz	41,738		
Jonathan H. Spadt	45,122		
Mark J. Marcelli	38,040		
Joshua L. Cohen	42,690		
Jack J. Jankovitz	34,608		
Kevin W. Goldstein	42,621		
Christopher I. Halliday	26,277		
Paul D. Golian	33,602		
William P. Hauser	41,712		
Bruce M. Monroe	28,028		
Rex A. Donnelly, IV	42,866		
Costas Krikelis			

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**REQUEST FOR TRANSFER OF DRAWINGS FROM ORIGINAL PATENT  
TO REISSUE APPLICATION**

Please transfer the drawings from original patent, 5,825,421, issued on October 20, 1998, for the invention entitled VIDEO CODING METHOD AND DECODING METHOD AND DEVICES THEREOF to the reissue application, the specification of which is attached hereto.

Date:

10/18/00



Allan Ratner, Reg. No. 19,717  
Jack J. Jankovitz, Reg. No. 42,690  
Ratner & Prestia  
P.O. Box 980  
Valley Forge, PA 19482

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REISSUE APPLICATION BY THE INVENTOR, OFFER TO SURRENDER PATENT		Docket Number (Optional) MTS-880US1
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s) Thiow Keng Tan		
Patent Number 5,825,421	Date Patent Issued October 20, 1998	
Title of invention VIDEO CODING METHOD AND DECODING METHOD AND DEVICES THEREOF		
<p>I am the inventor of the original patent.</p> <p>I offer to surrender the original patent.</p> <p>1. <input checked="" type="checkbox"/> Filed herein is a certificate under 37 CFR 3.73(b).</p> <p>2. <input type="checkbox"/> Ownership of the patent is in the inventor(s), and no assignment of the patent has been made.</p> <p>One of boxes 1 or 2 above must be checked.</p> <p>The written consent of all assignees owning an undivided interest in the original patent is included in this application for reissue.</p>		
Signature		Date
Typed or printed name Thiow Keng Tan		
The assignee owning an undivided interest in said original patent is <u>Matsushita Electric Industrial Co., Ltd.</u> , and the assignee consents to the accompanying application for reissue.		
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application, any patent issued thereon, or any patent to which this declaration is directed.		
Name of assignee Matsushita Electric Industrial Co., Ltd.		
Signature of person signing for assignee		Date
Typed or printed name and title of person signing for assignee Dr. Osamu Yamazaki Director		

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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<b>REISSUE APPLICATION BY THE ASSIGNEE, OFFER TO SURRENDER PATENT</b>		Docket Number (Optional)  MTS-880US1
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s): <div style="text-align: center;">Thiow Keng Tan</div>		
Patent Number 5,825,421	Date Patent Issued October 20, 1998	
Title of Invention VIDEO CODING METHOD AND DECODING METHOD AND DEVICES THEREOF		
<p><u>Matsushita Electric Industrial Co., Ltd.</u> is the assignee of the entire interest in the original patent.</p> <p>I offer to surrender the original patent.</p> <p><input checked="" type="checkbox"/> A certificate under 37 CFR 3.73(b) is attached.</p> <p>I am authorized to act on behalf of the assignee.</p>		
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application, any patent issued thereon, or any patent to which this declaration is directed.		
Name of assignee <u>Matsushita Electric Industrial Co., Ltd.</u>		
Signature of person signing for assignee	Date	
Typed or printed name and title of person signing for assignee <div style="display: flex; justify-content: space-between;"><span>Dr. Osamu Yamazaki</span><span>Director</span></div>		

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

009691857-101800

ASSENT BY ASSIGNEE FOR FILING OF REISSUE APPLICATION

This is part of the application for a reissue patent filed herewith based on the original patent identified as follows:

Name of Patentee: Matsushita Electric Industrial Co., Ltd.

Patent Number: 5,825,421

Date Patent Issued: October 20, 1998

Title of Invention: VIDEO CODING METHOD AND DECODING METHOD  
AND DEVICES THEREOF

I am an assignee owning an undivided interest to the above original patent.

I assent to the accompanying application for reissue.

Attached is a "Certificate under 37 C.F.R. section 3.73(b)"

Matsushita Electric Industrial Co., Ltd.

\_\_\_\_\_  
Signature of person signing for assignee

Date: \_\_\_\_\_

Dr. Osamu Yamazaki  
Director

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**ASSENT BY ASSIGNEE FOR FILING OF REISSUE APPLICATION**

This is part of the application for a reissue patent filed herewith based on the original patent identified as follows:

Name of Patentee: Matsushita Electric Industrial Co., Ltd.

Patent Number: 5,825,421

Date Patent Issued: October 20, 1998

Title of Invention: VIDEO CODING METHOD AND DECODING METHOD  
AND DEVICES THEREOF

I am an assignee owning an undivided interest to the above original patent.

I assent to the accompanying application for reissue.

Attached is a "Certificate under 37 C.F.R. section 3.73(b)"

Matsushita Electric Industrial Co., Ltd.

  
Signature of person signing for assignee

Date: December 12, 2000

Dr. Osamu Yamazaki  
Director

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: T. Tan : Art Unit:  
Serial No.: To Be Assigned : Examiner:  
Filed: Herewith  
FOR: VIDEO CODING METHOD AND  
DECODING METHOD AND DEVICES  
THEREOF

CERTIFICATE UNDER 37 CFR 3.73 (b)

Assistant Commissioner for Patents  
Washington, D.C. 20231

S I R :

Matsushita Electric Industrial Co., Ltd., a Japanese Corporation certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 8607, Frame 0024, for which a copy thereof is attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by

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fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date : \_\_\_\_\_

Name : Dr. Osamu Yamazaki

Title : Director

Signature : \_\_\_\_\_

*See paper # 3*

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mt5-880  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

AUGUST 14, 1997

RATNER & PRESTIA  
ALLAN RATNER  
SUITE 301, ONE WESTLAKES BERWYN  
P.O. BOX 980  
VALLEY FORGE, PA 19482-0980

PTAS

AUG 28 1997

\*100463787A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

jc905 U.S. PTO  
09/691857  
10/18/00

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/15/1997

REEL/FRAME: 8607/0024  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TAN, THIOW KENG

DOC DATE: 03/03/1997

ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
1006, OAZA KADOMA, KADOMA-SHI  
OSAKA, JAPAN 571

SERIAL NUMBER: 08773574

FILING DATE: 12/27/1996

PATENT NUMBER:

ISSUE DATE:

MAYA BENNETT, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

008701 25816960

No legalization required

## ASSIGNMENT

WHEREAS, the ASSIGNOR, comprising the following named inventor(s)

Inventor(s)

ASSIGNOR(s)/  
INVENTOR(s)

1. Tan, Thiow Keng                      2. \_\_\_\_\_

3. \_\_\_\_\_                                      4. \_\_\_\_\_

has made an invention entitled: \_\_\_\_\_

# VIDEO CODING METHOD AND DECODING METHOD AND DEVICES THEREOF

and has executed an application for Letters Patent of the United States concurrently herewith;

WHEREAS, the ASSIGNEE

Matsushita Electric Industrial Co., Ltd.

ASSIGNEE  
(Full Name  
and address)

of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571 JAPAN

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

NOW, THEREFORE, in consideration of the payment by ASSIGNEE to ASSIGNOR of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, intending to be legally bound, hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions and continuations thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

ASSIGNOR hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

ASSIGNOR agrees it shall be legally bound, upon request of the ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the ASSIGNOR has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the ASSIGNEE, and to execute all instruments proper to carry out the intent of this instrument.

If the invention requires a biological deposit, ASSIGNOR also grants to ASSIGNEE such control over any deposit made by ASSIGNOR as may be necessary to the validity of the patent rights assigned herein.

ASSIGNOR authorizes ASSIGNOR's attorney to insert at the end hereof the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney docket or file designation for this application.

If the ASSIGNOR includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

(Typed or Printed Name)

(Signature)

(Date)

1. Tan, Thiew Keng

*John A. Jones*

March 3, 1997

2. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. \_\_\_\_\_

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4. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Application for United States Letters Patent

Serial No. 08/773,574.

Filed December 27, 1996

Attorney Docket No. MTS-860